

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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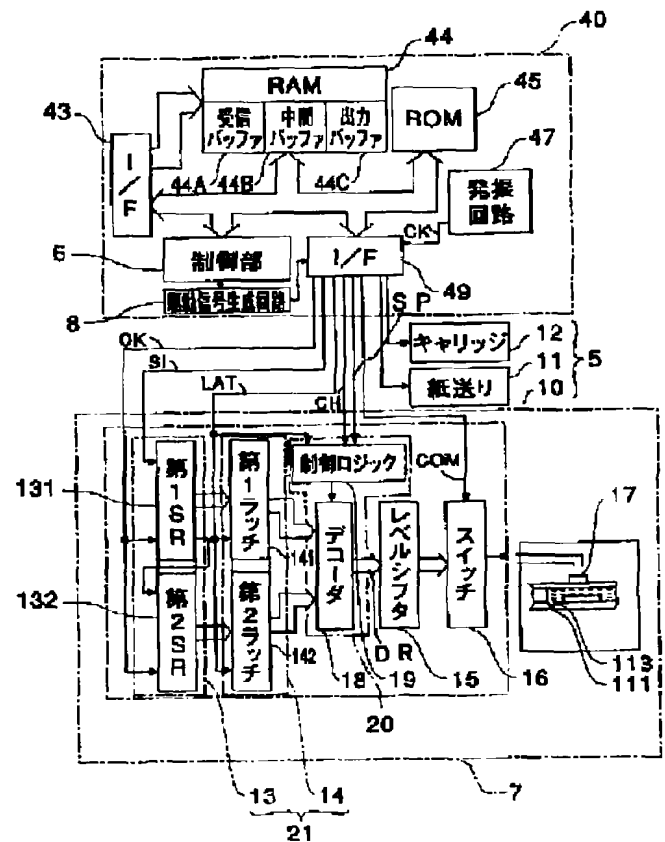
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INVENTOR : ASAUCHI NOBORU;

INT.CL. : B41J 2/045 B41J 2/055

TITLE : INK JET RECORDER



ABSTRACT : PROBLEM TO BE SOLVED: To provide an ink jet recorder capable of charging at an arbitrary timing to supplement natural discharging occurring at a pressure generating element.

SOLUTION: In the ink jet recorder, a head driving circuit 7 outputs a signal for applying an intermediate potential  $V_m$  to a pressure generating element 17 by selecting the potential  $V_m$  from a drive signal COM selectively for a period  $T_5$  to  $T_6$  to the element 17 (a pressure generating element 17 not discharging an ink droplet and a pressure generating element 17 for discharging an ink droplet having a large dot) charged to a potential coincident with the potential  $V_m$  of the signal COM, for example, for  $T_5$  to  $T_6$  of the elements 17. As a result, a potential of the element in which the potential is lowered from the potential  $V_m$  by natural discharging can be restored.

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